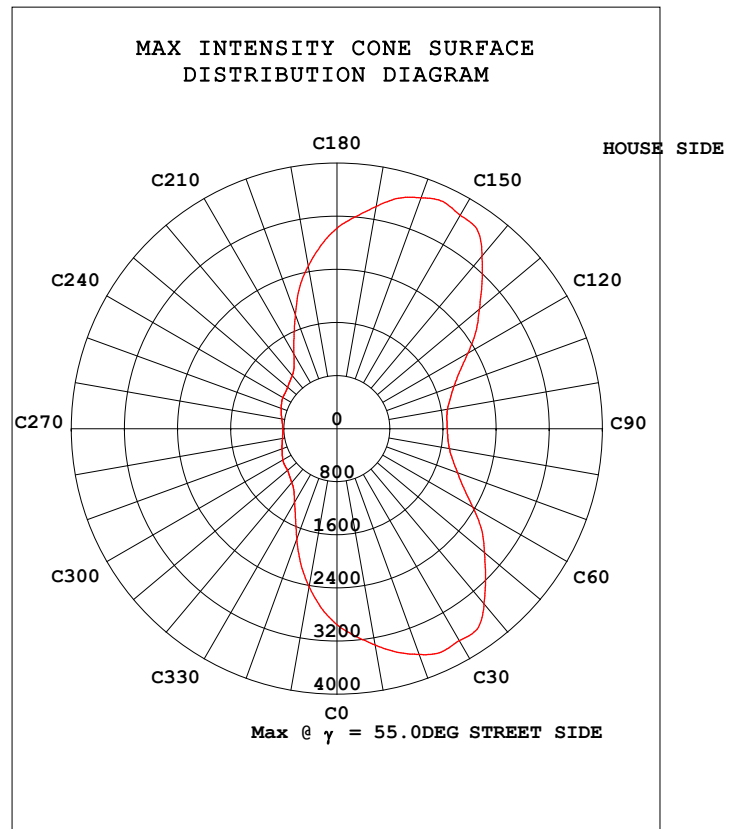
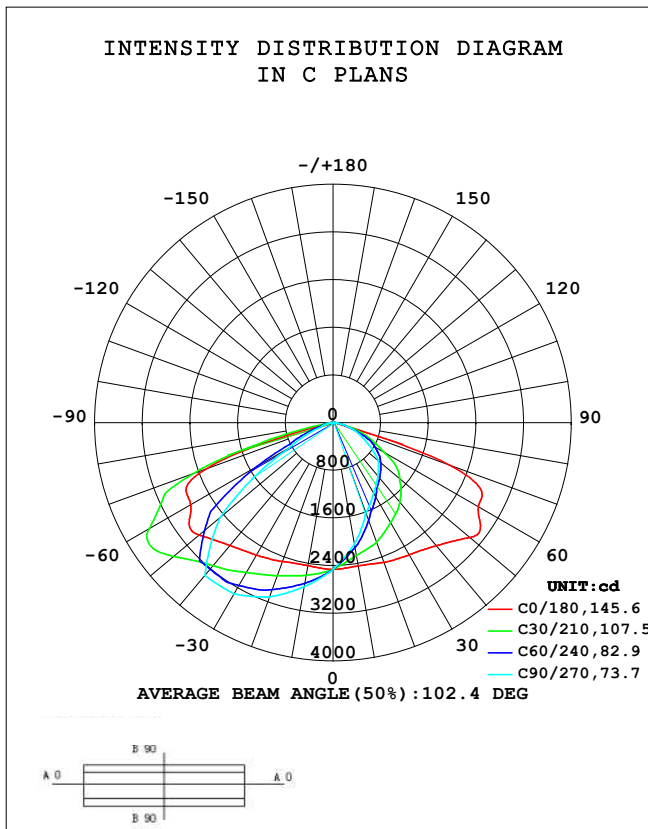


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 148.68 lm/W			
MODEL	LED	Imax (cd)	3777	η street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	η street_down (%)	51.3
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	9034	η house_up (%)	0.0
NOMINAL FLUX (lm)	9034.46	MAXIMUM @ (C, γ)	155,55.0	η house_down (%)	48.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.862



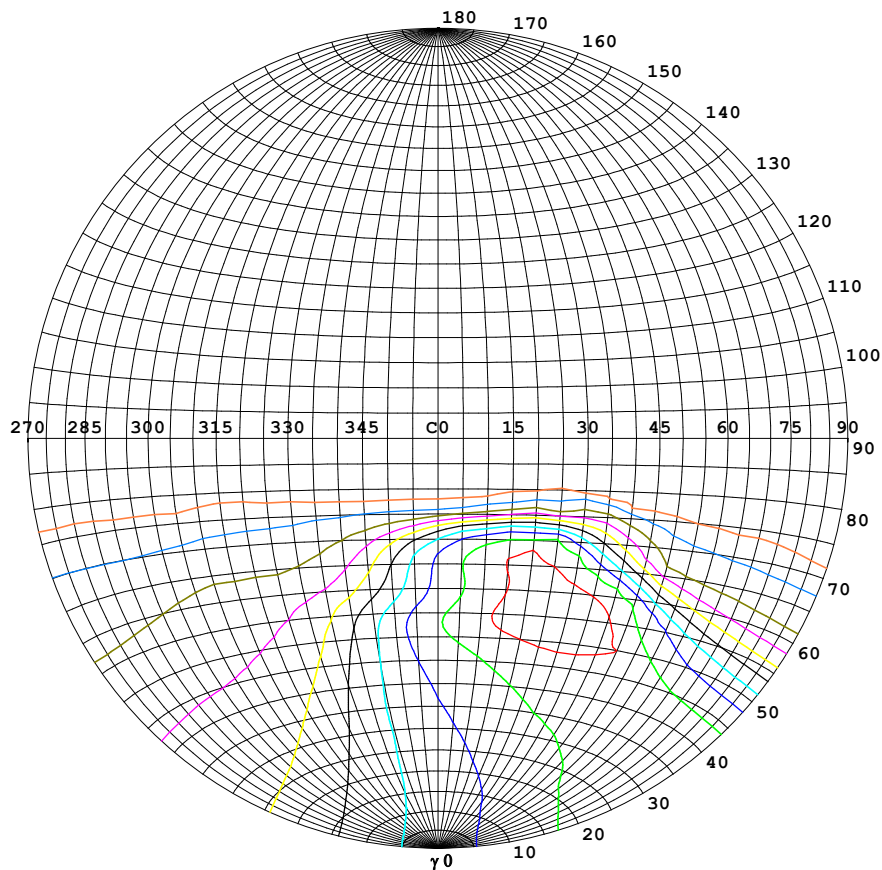
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



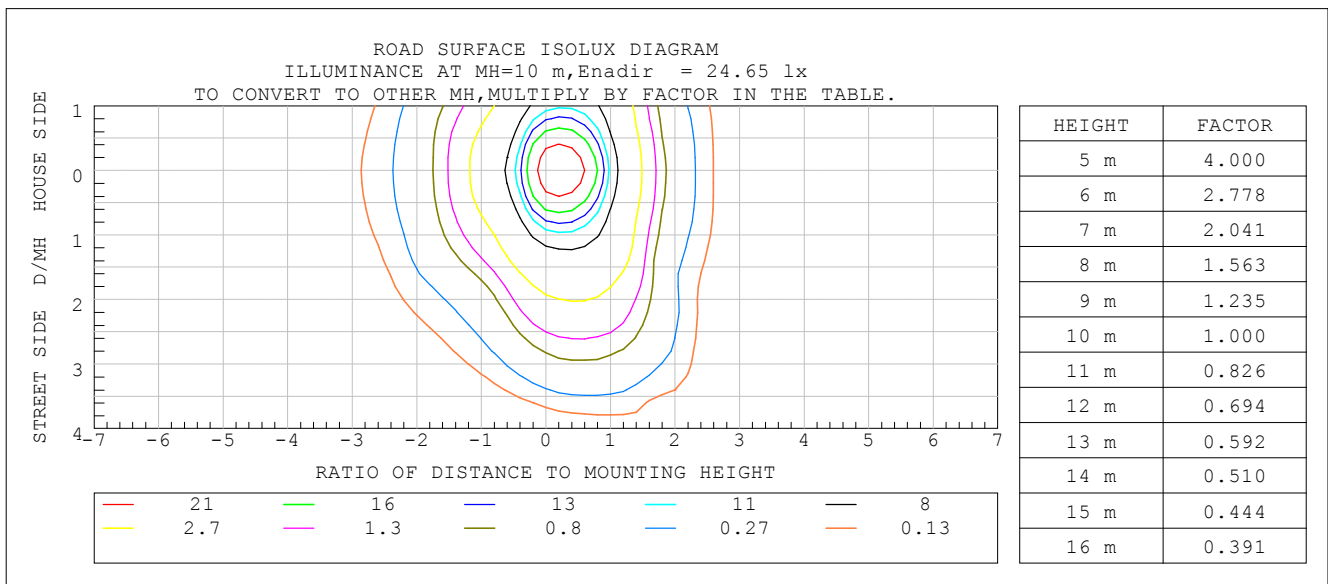
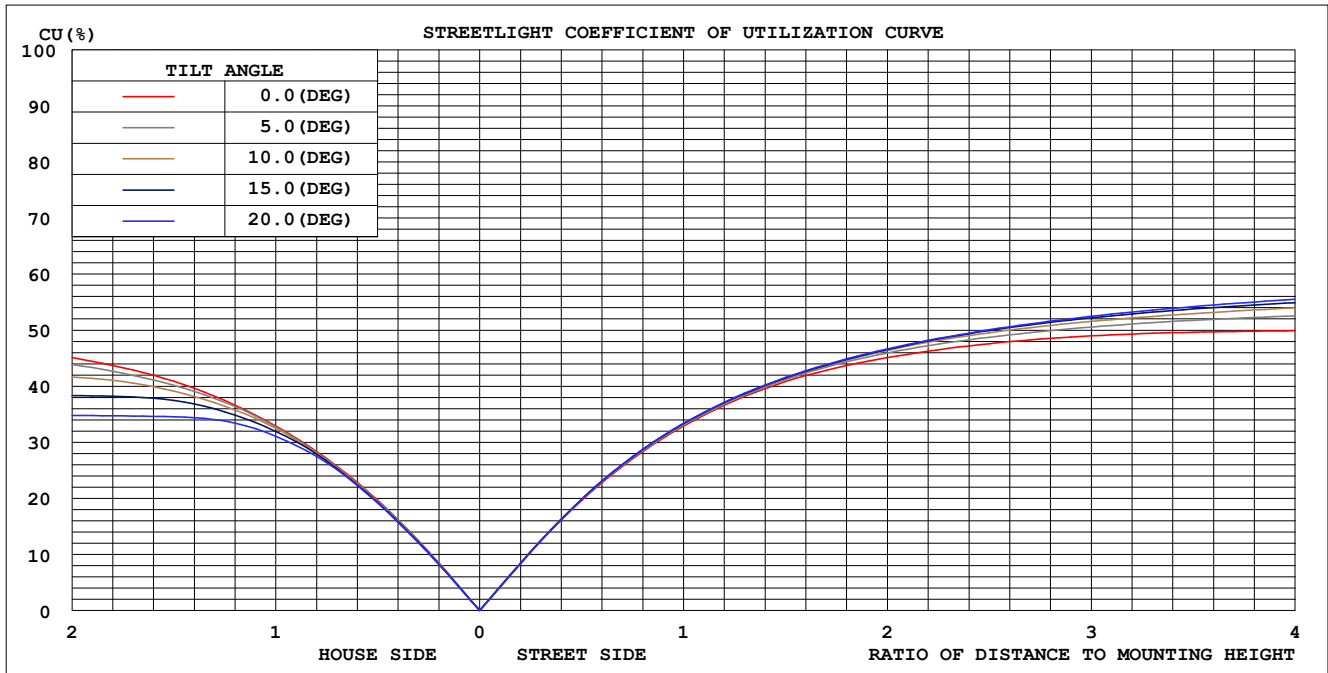
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:23.25cd/klm
Max.At90:3.808cd/klm
Max.80-90:23.25cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	3777
90%	3400
80%	3022
70%	2644
60%	2266
50%	1889
40%	1511
30%	1133
20%	755
10%	378
5%	189

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

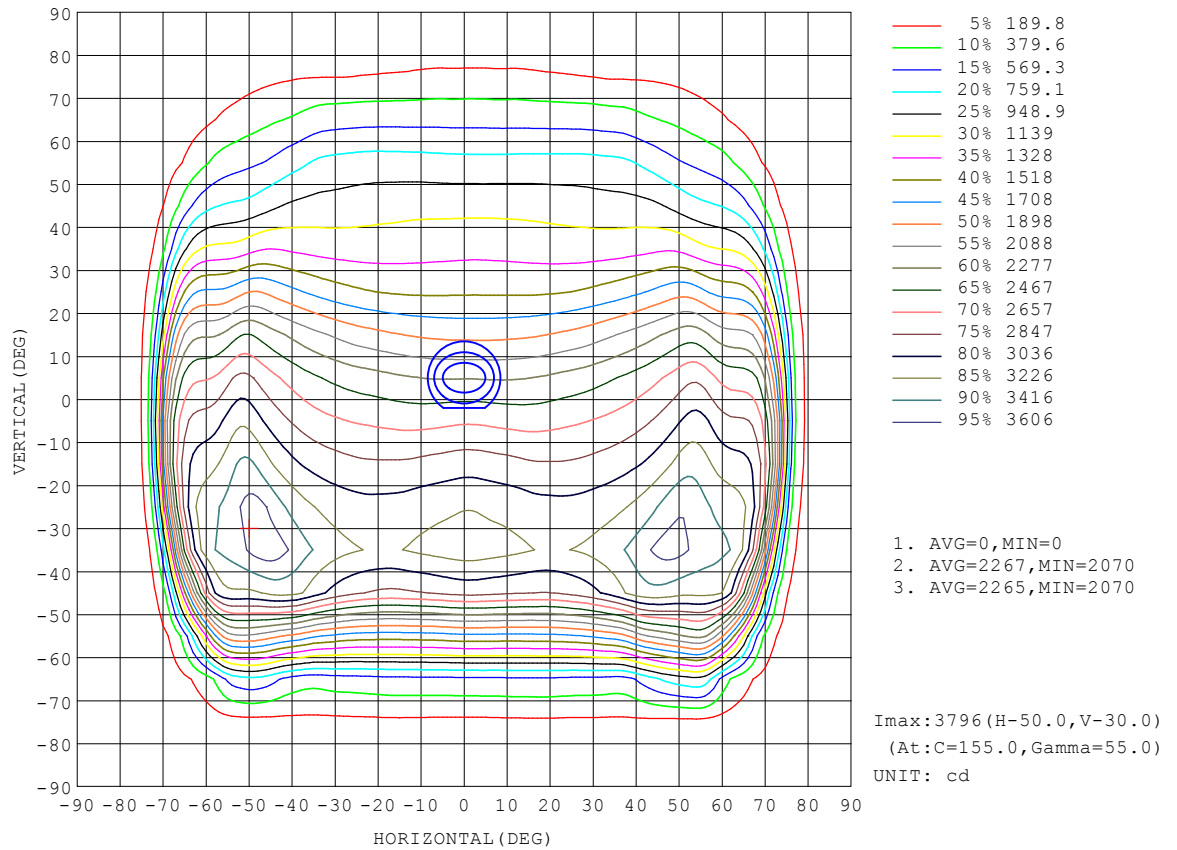
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
5	2451	2575	2630	2574	2452	2322	2269	2320	0- 5	58.69	58.69	0.65,0.65
10	2438	2673	2795	2672	2442	2192	2072	2183	5- 10	174.5	233.2	2.58,2.58
15	2446	2769	2955	2769	2458	2073	1844	2055	10- 15	287.7	520.9	5.77,5.77
20	2481	2855	3114	2862	2496	1917	1615	1898	15- 20	397.2	918.1	10.2,10.2
25	2524	2950	3218	2960	2528	1759	1491	1738	20- 25	503.0	1421	15.7,15.7
30	2570	3039	3321	3049	2564	1621	1366	1603	25- 30	605.0	2026	22.4,22.4
35	2622	3125	3334	3132	2612	1476	1271	1466	30- 35	702.5	2729	30.2,30.2
40	2693	3217	3347	3224	2698	1322	1176	1315	35- 40	793.3	3522	39,39
45	2794	3295	2910	3287	2822	1234	1085	1227	40- 45	871.6	4394	48.6,48.6
50	2937	3400	2473	3376	3000	1118	993.3	1120	45- 50	926.6	5320	58.9,58.9
55	2951	3167	1663	3090	3022	1008	819.3	1012	50- 55	950.1	6270	69.4,69.4
60	2760	2833	853.1	2705	2817	870.1	645.3	888.8	55- 60	883.7	7154	79.2,79.2
65	2721	1705	530.3	1498	2755	655.7	512.4	691.0	60- 65	755.3	7909	87.5,87.5
70	2262	881.2	207.4	652.7	2075	447.7	379.5	466.8	65- 70	610.0	8519	94.3,94.3
75	596.1	285.4	145.9	241.5	277.9	274.5	238.8	275.2	70- 75	355.9	8875	98.2,98.2
80	129.9	129.8	84.47	119.9	87.24	141.5	98.08	142.7	75- 80	113.4	8989	99.5,99.5
85	64.49	32.81	0	31.56	33.58	28.67	0	28.96	80- 85	39.68	9028	99.9,99.9
90	34.40	0	0	0	29.23	0	0	0	85- 90	6.250	9034	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

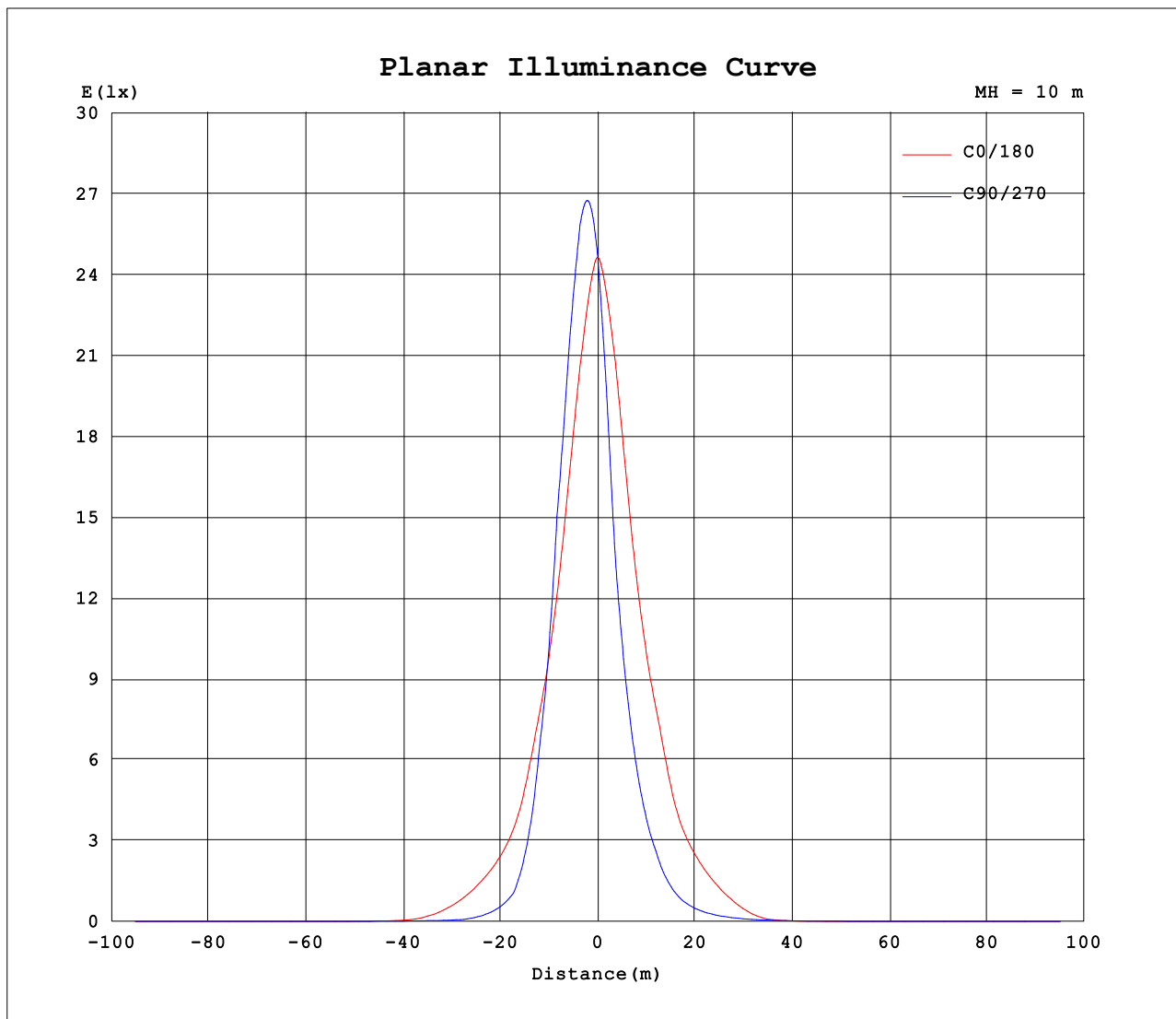
Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



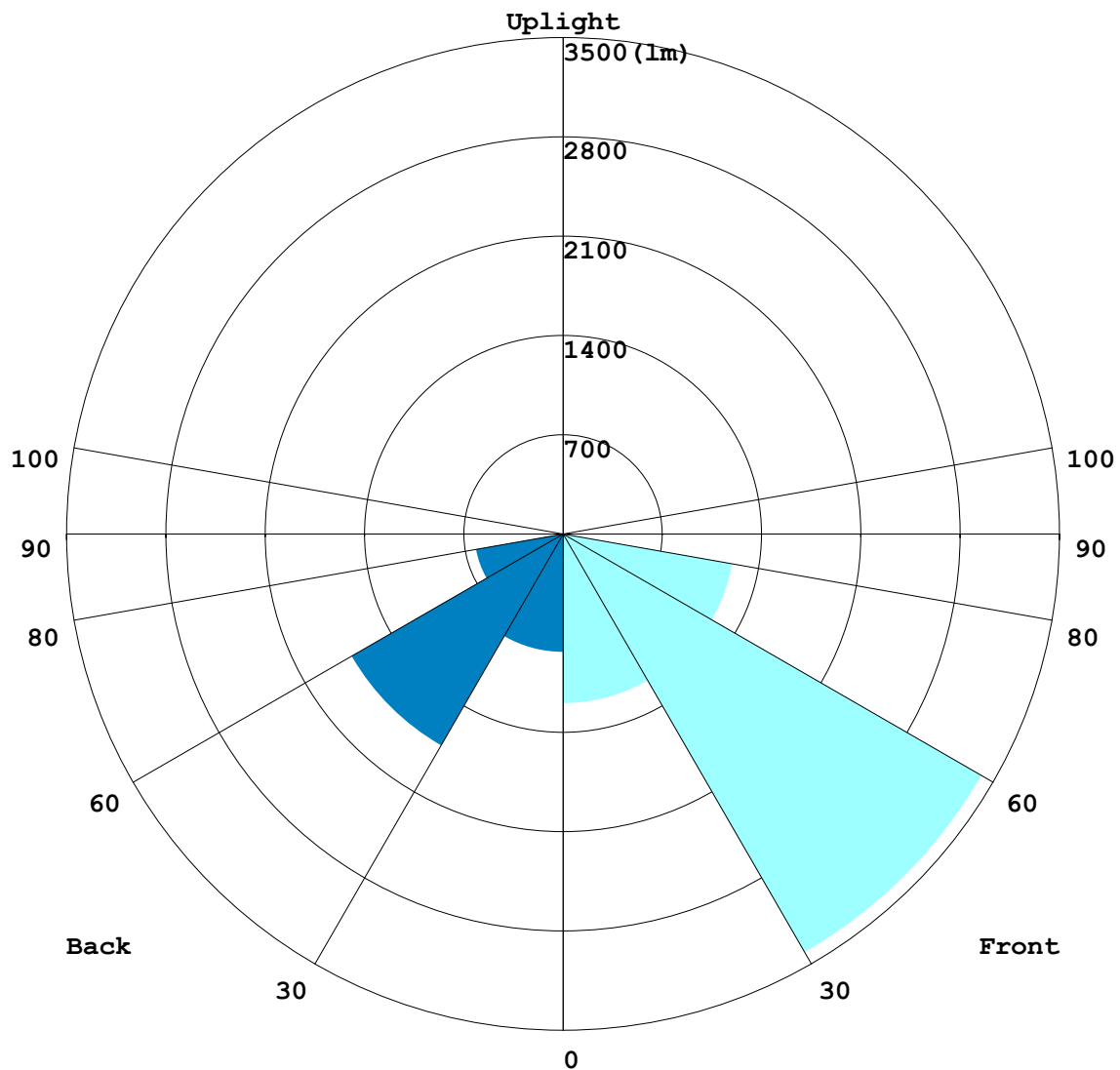
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1194.1	13.2
FM - Front-Medium(30-60)	3406.3	37.7
FH - Front-High(60-80)	1210.6	13.4
FVH - Front-Very High(80-90)	24.561	0.3
Total Forward Light	5835.5	64.6

BL - Back-Low(0-30)	832.08	9.2
BM - Back-Medium(30-60)	1721.5	19.1
BH - Back-High(60-80)	624.04	6.9
BVH - Back-Very High(80-90)	21.37	0.2
Total Back Light	3198.9	35.4

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3198.9	0	3198.9
Street Side	5835.5	0	5835.5

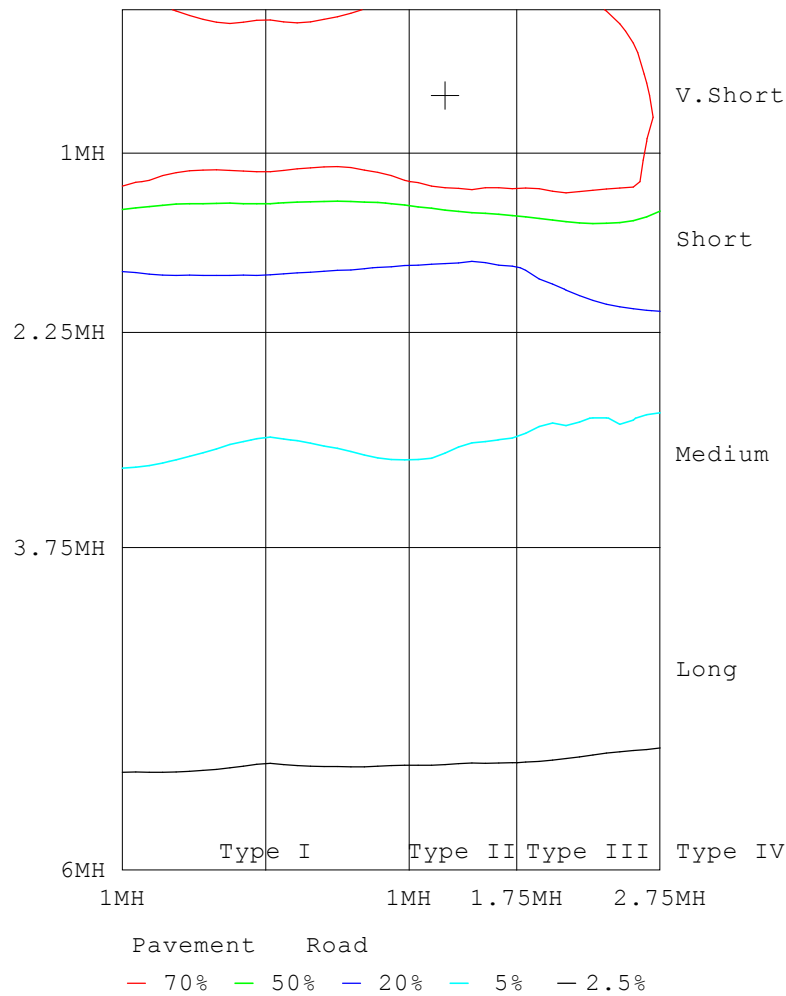
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.2805A P:60.77W PF:0.9808 Lamp Flux:9034.46x1 lm		
NAME: OPCITYIII-60W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```